UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460



OFFICE OF CHILDREN'S HEALTH PROTECTION

May 8, 2020

MEMORANDUM

Subject: Concur with Comment: Expedited Final Agency Review: National Primary Drinking

Water Regulations of Perchlorate (Tier 1; SAN 5555; RIN: 2040-AF28)

From: Jeanne Briskin, Director

To: Charlotte Bertrand, Deputy Assistant Administrator (Policy)

Office of Water

Thank you for the opportunity to review and comment on the Expedited Final Agency Review for Perchlorate. The Office of Children's Health Protection (OCHP) concurs with comment on the Expedited Final Agency Review (FAR): National Primary Drinking Water Regulation of Perchlorate (Tier 1: SAN 5555; RIN: 2040-AF28). In our comments in the draft Federal Register Notice (FRN), Deliberative Process/Ex.5

Deliberative Process / Ex. 5

OCHP is concerned that

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Ex. 5 Deliberative Process (DP)

OCHP has not had the opportunity to review the current response to public comment document and cannot therefore provide input on whether the draft final rule is adequately responsive to the comments received.

Thank you again for the opportunity to provide comments. If you need additional information, please contact me at 202-564-4583 or have your staff contact Rebecca Dzubow at 202-564-0967

cc:

Lisa Christ, OW Sandy Evalenko, OW Leanne Nurse, OW

Request and Summary of Responses – Expedited Milestone or Waiver Request

The lead program should use this form to consolidate responses from the workgroup poll. This form should be submitted to the Regulatory Management Division director and the lead program Regulatory Steering Committee representative for approval by the Associate Administrator of the Office of Policy. The lead program also should upload this form into ADP Tracker.

Background

Title: NPDWR Pero	chlorate			
SAN :5555	Request: Expedit	Milestone: Final Age	ncy Reviev Stage:	Final
The Final Rule has a consent decree for signature of 6/19/2020. Rationale: Summary of Responses				
OAR				
OCHP				
OSCPP				
OECA				
OEI				
OEJ				
OGC				
OP				
ORD				
OSWER				
OW				
Region 1				
Region 2				
Region 3				
Region 4				
Region 5				
Region 6				
Region 7				
Region 8				
Region 9				
Region 10				
Other	_			

An Options discussion occurred within the last 2 weeks at the AA level. These are the offices

OP needed to elevate the request to their management and has not yet responded. OAR and

participating on the FAR. OW called the participating offices for their response to an expedited FAR.

Summarize the concerns of disagreeing Offices/Regions:

OCSPP do not have workgroup members but attended the meeting.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

MEMORANDUM

SUBJECT: Final Agency Review: National Primary Drinking Water Regulations: Regulation of

Perchlorate Final Action (Tier 1; SAN 5555; RIN: 2040-AF28)

- CONCUR WITHOUT COMMENT

FROM: Alexandra Dapolito Dunn, Esq.

Assistant Administrator (7101M)

ALEXANDRA

Digitally signed by

ALEXANDRA DAPÓLITO DUNN

DAPOLITO DUNN Date: 2020.05.12 08:31:18

TO: Charlotte Bertrand

Deputy Assistant Administrator for Policy

Office of Water

Thank you for the opportunity to review FAR package for this important Tier 1 regulatory action. I am pleased to concur without comment. Please contact Angela Hofmann, the OCSPP representative on the EPA Regulatory Steering Committee, should you have any questions or require additional information from OCSPP.

cc: Lisa Christ, OW/OGWDW

Sandy Evalenko, OW Leanne Nurse, OP

Tom Tyler, OCSPP/OAA

Angela Hofmann, OCSPP/OPMO/RICS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF RESEARCH AND DEVELOPMENT

May 7, 2020

MEMORANDUM

SUBJECT: Concurrence – Final Agency Review of Drinking Water: Notice of Withdrawal of

the 2011 Perchlorate Regulatory Determination and Publication of the Final

Regulatory Determination on Perchlorate (Tier 1; SAN 5555)

MARY ROSS Date: 2020.05.07 11:14:04 FROM: Mary A. Ross

Director

Office of Science Advisor, Policy and Engagement

TO: Charlotte Bertrand

Deputy Assistant Administrator

Office of Ground Water and Drinking Water

Thank you for the opportunity to review and comment on the final agency review package for the "Drinking Water: Notice of Withdrawal of the 2011 Perchlorate Regulatory Determination and Publication of the Final Regulatory Determination on Perchlorate." The Office of Research and Development (ORD) has reviewed the draft Federal Register notice and concurs without comment.

If you have any questions, please contact Lynn Flowers (202) 564-6293 or Nicole Shao (202) 564-6779 of my staff.

cc: Sandy Evalenko, OW/IO

Lisa Christ, OW/OGWDW

Leanne Nurse, OP

Lynn Flowers, ORD/OSAPE Nicole Shao, ORD/OSAPE

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF POLICY May 29, 2020

MEMORANDUM

SUBJECT: Expedited Final Agency Review (FAR): National Primary

Drinking Water Regulations: Regulation of Perchlorate

Final Action (Tier 1; SAN 5555; RIN: 2040-AF28)

FROM: Melissa Kramer, Associate Director

Regulatory Management Division

TO: Sandy Evalenko, Steering Committee Representative

Office of Water

This memorandum documents the Expedited Final Agency Review: National Primary Drinking Water Regulations: Regulation of Perchlorate Final Action (Tier 1; SAN 5555; RIN: 2040-AF28) on May 7, 2020. The Office of Policy (OP), the Office of General Counsel (OGC), the Office of Research and Development (ORD), the Office of Chemical Safety and Pollution Prevention (OCSPP), the Office of Land and Emergency Management (OLEM) and the Office of Children's Health Protection (OCHP) participated in the development of this action.

Position of Each Office

OGC:

OP: Concurs with comments (AA-level) memo attached on page 3 Concurs with comments (AA-level) memo attached on page 4

ORD:

OCSPP:

OLEM: Concurs (OD-level) memo attached on page 6 Concurs (AA-level) memo attached on page 7 Concurs (AA-level) memo attached on page 8

OCHP: Concurs with comments (OD-level) memo attached on page 9

Next Step:

Signature is planned for late May, 2020. OMB confirmed that this final rule is significant May 28, 2020.

Cc:

Office of General Counsel

Office of Policy

Office of Research and Development

Office of Chemical Safety and Pollution Prevention FAR Summary SAN 5555

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Office of Land and Emergency Management Office of Children's Health ProtectionFAR Summary SAN 5555 3 From: Parikh, Pooja <Parikh.Pooja@epa.gov> Sent: Thursday, May 07, 2020 9:52 AM To: Evalenko, Sandy <Evalenko.Sandy@epa.gov> Cc: Wehling, Carrie <Wehling.Carrie@epa.gov>; Christ, Lisa <Christ.Lisa@epa.gov> Subject: Perchlorate FRN -- OGC concurs with comment On behalf of the General Counsel, I am providing OGC's concurrence on the Federal Register Notice referenced in the email below, subject to the attached comments. I will be representing OGC at the FAR meeting. Please let me know if you have any questions or require additional information. Thank you. Pooja

Pooja S. Parikh Attorney- Advisor U.S. Environmental Protection Agency Office of General Counsel, Water Law Office Phone: 202 564-0839

Email: parikh.pooja@epa.gov FAR Summary SAN 5555

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From: Nickerson, William < Nickerson. William@epa.gov > Sent: Thursday, May 7, 2020 6:27 PM To: McLain, Jennifer L. < McLain. Jennifer@epa.gov > Cc: Burneson, Eric < Burneson. Eric@epa.gov >; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Evalenko, Sandy <Evalenko.Sandy@epa.gov>; Lousberg, Macara <Lousberg.Macara@epa.gov>; Hernandez-Quinones, Samuel <Hernandez.Samuel@epa.gov>; Johnson, Ann <Johnson.Ann@epa.gov>; Dockins, Chris <Dockins.Chris@epa.gov>; Corrales, Mark <Corrales.Mark@epa.gov>; Manibusan, Mary <Manibusan.Mary@epa.gov>; Kramer, Melissa <Kramer.Melissa@epa.gov>; Nurse, Leanne <Nurse.Leanne@epa.gov> Subject: Concur With Comment – Drinking Water: Notice of Withdrawal of the 2011 Perchlorate Regulatory Determination and Publication of the Final Regulatory Determination on Perchlorate (SAN 5555, Tier 1) Jennifer.

Thank you for the opportunity to review the Final Agency Review materials for the final Perchlorate Regulatory Determination. Based on consultation with the Office's Associate Administrator, the Office of Policy concurs with comment.

We have attached a redline with suggested changes. In addition to editorial suggestions and clarifying questions, our comments note the need to address the three more substantive topics briefly summarized below.

The preamble indicates that we considered the findings of the Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

At this point we have no objection to the action proceeding through the rest of the rulemaking steps. If you have any questions or concerns, please feel free to contact me or have your staff contact Ann Johnson on 202-564-5966. Thank you.

Bill FAR Summary SAN 5555

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460 OFFICE OF RESEARCH AND DEVELOPMENT

May 7, 2020

MEMORANDUM

SUBJECT: Concurrence – Mary A. Ross Director

Final Agency Review of Drinking Water: Notice of Withdrawal of the 2011 Perchlorate Regulatory

Determination and Publication

of the Final Regulatory

Determination on Perchlorate

(Tier 1; SAN 5555) **FROM:**

Office of Science Advisor, Policy and Engagement

TO:
Charlotte Bertrand

Deputy Assistant Administrator

Office of Ground Water and Drinking Water



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF POLICY

May 29, 2020

MEMORANDUM

SUBJECT: Expedited Final Agency Review (FAR): National Primary

> Drinking Water Regulations: Regulation of Perchlorate Final Action (Tier 1; SAN 5555; RIN: 2040-AF28)

FROM: Melissa Kramer, Associate Director

Regulatory Management Division

Digitally signed by MELISSA KRAMER KRAMER Date: 2020.06.01 10:32:51 -04'00'

TO: Sandy Evalenko, Steering Committee Representative

Office of Water

This memorandum documents the Expedited Final Agency Review: National Primary Drinking Water Regulations: Regulation of Perchlorate Final Action (Tier 1; SAN 5555; RIN: 2040-AF28) on May 7, 2020. The Office of Policy (OP), the Office of General Counsel (OGC), the Office of Research and Development (ORD), the Office of Chemical Safety and Pollution Prevention (OCSPP), the Office of Land and Emergency Management (OLEM) and the Office of Children's Health Protection (OCHP) participated in the development of this action.

Position of Each Office

OGC: Concurs with comments (AA-level) memo attached on page 3 Concurs with comments (AA-level) memo attached on page 4 OP:

ORD: Concurs (OD-level) memo attached on page 6 **OCSPP:** Concurs (AA-level) memo attached on page 7 **OLEM:** Concurs (AA-level) memo attached on page 8

OCHP: Concurs with comments (OD-level) memo attached on page 9

Next Step:

Signature is planned for late May, 2020. OMB confirmed that this final rule is significant May 28, 2020.

Cc:

Office of General Counsel Office of Policy Office of Research and Development Office of Chemical Safety and Pollution Prevention

Office of Land and Emergency Management Office of Children's Health Protection

From: Parikh, Pooja <Parikh.Pooja@epa.gov> Sent: Thursday, May 07, 2020 9:52 AM

To: Evalenko, Sandy < Evalenko. Sandy@epa.gov>

Cc: Wehling, Carrie < Wehling. Carrie@epa.gov>; Christ, Lisa < Christ. Lisa@epa.gov>

Subject: Perchlorate FRN -- OGC concurs with comment

On behalf of the General Counsel, I am providing OGC's concurrence on the Federal Register Notice referenced in the email below, subject to the attached comments. I will be representing OGC at the FAR meeting. Please let me know if you have any questions or require additional information. Thank you.

Pooja

Pooja S. Parikh Attorney- Advisor U.S. Environmental Protection Agency Office of General Counsel, Water Law Office

Phone: 202 564-0839

Email: parikh.pooja@epa.gov

From: Nickerson, William < Nickerson. William@epa.gov>

Sent: Thursday, May 7, 2020 6:27 PM

To: McLain, Jennifer L. <McLain.Jennifer@epa.gov>

Cc: Burneson, Eric <Burneson.Eric@epa.gov>; Bertrand, Charlotte

<Bertrand.Charlotte@epa.gov>; Evalenko, Sandy <Evalenko.Sandy@epa.gov>; Lousberg,

Macara <Lousberg.Macara@epa.gov>; Hernandez-Quinones, Samuel

<Hernandez.Samuel@epa.gov>; Johnson, Ann <Johnson.Ann@epa.gov>; Dockins, Chris

<Dockins.Chris@epa.gov>; Corrales, Mark <Corrales.Mark@epa.gov>; Manibusan, Mary

<Manibusan.Mary@epa.gov>; Kramer, Melissa <Kramer.Melissa@epa.gov>; Nurse, Leanne

<Nurse.Leanne@epa.gov>

Subject: Concur With Comment – Drinking Water: Notice of Withdrawal of the 2011 Perchlorate Regulatory Determination and Publication of the Final Regulatory Determination on Perchlorate (SAN 5555, Tier 1)

Jennifer,

Thank you for the opportunity to review the Final Agency Review materials for the final Perchlorate Regulatory Determination. Based on consultation with the Office's Associate Administrator, the Office of Policy concurs with comment.

We have attached a redline with suggested changes. In addition to editorial suggestions and clarifying questions, our comments note the need to address the three more substantive topics briefly summarized below.

The preamble indicates that we considered the findings of the Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

At this point we have no objection to the action proceeding through the rest of the rulemaking steps. If you have any questions or concerns, please feel free to contact me or have your staff contact Ann Johnson on 202-564-5966. Thank you.

Bill



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF RESEARCH AND DEVELOPMENT

May 7, 2020

MEMORANDUM

SUBJECT: Concurrence – Final Agency Review of Drinking Water: Notice of Withdrawal of

the 2011 Perchlorate Regulatory Determination and Publication of the Final

Regulatory Determination on Perchlorate (Tier 1; SAN 5555)

FROM: Mary A. Ross

Director

Office of Science Advisor, Policy and Engagement

TO: Charlotte Bertrand

Deputy Assistant Administrator

Office of Ground Water and Drinking Water

Thank you for the opportunity to review and comment on the final agency review package for the "Drinking Water: Notice of Withdrawal of the 2011 Perchlorate Regulatory Determination and Publication of the Final Regulatory Determination on Perchlorate." The Office of Research and Development (ORD) has reviewed the draft *Federal Register* notice and concurs without comment.

If you have any questions, please contact Lynn Flowers (202) 564-6293 or Nicole Shao (202) 564-6779 of my staff.

cc: Sandy Evalenko, OW/IO

Lisa Christ, OW/OGWDW

Leanne Nurse, OP

Lynn Flowers, ORD/OSAPE Nicole Shao, ORD/OSAPE



*** Deliberative Internal Document - Do Not Cite, Quote or Release ***

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

MEMORANDUM

SUBJECT: Final Agency Review: National Primary Drinking Water Regulations: Regulation of

Perchlorate Final Action (Tier 1; SAN 5555; RIN: 2040-AF28)

- CONCUR WITHOUT COMMENT

FROM: Alexandra Dapolito Dunn, *Esq.*

Assistant Administrator (7101M)

TO: Charlotte Bertrand

Deputy Assistant Administrator for Policy

Office of Water

Thank you for the opportunity to review FAR package for this important Tier 1 regulatory action. I am pleased to concur without comment. Please contact Angela Hofmann, the OCSPP representative on the EPA Regulatory Steering Committee, should you have any questions or require additional information from OCSPP.

cc: Lisa Christ, OW/OGWDW
Sandy Evalenko, OW
Leanne Nurse, OP
Tom Tyler, OCSPP/OAA
Angela Hofmann, OCSPP/OPMO/RICS

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From: Christ, Lisa < Christ.Lisa@epa.gov>Sent: Thursday, May 7, 2020 9:09 AM

To: Burneson, Eric <Burneson.Eric@epa.gov>; McLain, Jennifer L.

<McLain.Jennifer@epa.gov>

Cc: Hernandez-Quinones, Samuel < Hernandez. Samuel@epa.gov>

Subject: Fwd: OLEM's Response to Expedited Final Agency Review: National Primary Drinking Water Regulations: Regulation of Perchlorate (Tier 1; SAN 5555; RIN: 2040-AF28)

Sent from my iPhone

Begin forwarded message:

From: "Cogliano, Gerain" < Cogliano. Gerain@epa.gov>

Date: May 6, 2020 at 6:44:02 PM EDT

To: "Bertrand, Charlotte" < Bertrand. Charlotte@epa.gov>

Cc: "Christ, Lisa" < "Nurse, Leanne" < Nurse, Leanne@epa.gov>,

"Evalenko, Sandy" < Evalenko. Sandy@epa.gov>, "Raffaele, Kathleen"

<<u>raffaele.kathleen@epa.gov</u>>, "Foster, Stiven" <<u>Foster.Stiven@epa.gov</u>>, "Banks, Dawn" <<u>Banks.Dawn@epa.gov</u>>

Subject: OLEM's Response to Expedited Final Agency Review: National Primary Drinking Water Regulations: Regulation of Perchlorate (Tier 1; SAN 5555; RIN: 2040-AF28)

Thank you for the opportunity to review the expedited Final Agency Review (FAR) for the National Primary Drinking Water Regulations: Regulation of Perchlorate.

OLEM concurs without comment at the AA-level.

If you have any questions or concerns, please contact me.

Thanks,

Gerain Cogliano
OLEM Regulatory Steering Committee Representative
202-566-1929

FAR Summary SAN 5555 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF CHILDREN'S HEALTH PROTECTION

May 8, 2020

MEMORANDUM

Concur with Comment: Expedited Final Agency Review: National Primary Subject:

Drinking Water Regulations of Perchlorate (Tier 1; SAN 5555; RIN: 2040-AF28)

Jeanne Briskin, Director From:

To: Charlotte Bertrand, Deputy Assistant Administrator (Policy)

Office of Water

Thank you for the opportunity to review and comment on the Expedited Final Agency Review

Perchlorate. The Office of Children's Health Protection (OCHP) concurs with comment on the **Expedited**

Final Agency Review (FAR): National Primary Drinking Water Regulation of Perchlorate (Tier 1; SAN 5555; RIN: 2040-AF28). In our comments in the draft Federal Register Notice (FRN),

Ex. 5 Deliberative Process (DP)

OCHP is concerned that

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Ex. 5 Deliberative Process (DP)

OCHP has not had the opportunity to review the current response to public comment document and cannot therefore provide input on whether the draft final rule is adequately responsive to the comments received.

Thank you again for the opportunity to provide comments. If you need additional information, please contact me at 202-564-4583 or have your staff contact Rebecca Dzubow at 202-564-0967

cc:

Lisa Christ, OW Sandy Evalenko, OW Leanne Nurse, OW

Message

From: Miller, Wynne [Miller.Wynne@epa.gov]

Sent: 2/15/2019 6:13:19 PM

To: Beck, Nancy [Beck.Nancy@epa.gov]

CC: Bertrand, Charlotte [Bertrand.Charlotte@epa.gov]; Keigwin, Richard [Keigwin.Richard@epa.gov]; Messina, Edward

[Messina.Edward@epa.gov]; Lowit, Anna [Lowit.Anna@epa.gov]; Keller, Kaitlin [keller.kaitlin@epa.gov]

Subject: RE: Request for review - Draft Perchlorate Rule Proposal

Attachments: Version-Control Perchlorate Rule FRN 2-4-19.2 OCSPP.docx

Here you go Nancy.

Thx much, Wynne

From: Beck, Nancy

Sent: Friday, February 15, 2019 11:58 AM **To:** Miller, Wynne Wynne@epa.gov

Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Messina, Edward

<Messina.Edward@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>

Subject: Re: Request for review - Draft Perchlorate Rule Proposal

Yes however I I think we still need to add some more IO comments so if you can send it back to us, we can incorporate those when you are done.

Thanks!

Nancy B. Beck, Ph.D., DABT

Principal Deputy Assistant Administrator

Office of Chemical Safety and Pollution Prevention

P: <u>202-564-1273</u> beck.nancy@epa.gov

On Feb 15, 2019, at 11:55 AM, Miller, Wynne < Miller. Wynne@epa.gov> wrote:

Thanks Nancy!! We can embed OPP's comments (#1 and 2 highlighted below) into your draft redline document. The comments on the support documents are very minor so I think we should just send those via email. Once we are done embedding our comments, do you want us to transmit everything to OGWDW?

Regards, Wynne

From: Beck, Nancy

Sent: Friday, February 15, 2019 9:46 AM **To:** Miller, Wynne < wynne@epa.gov>

Cc: Bertrand, Charlotte Reigwin, Richard Reigwin, Richard Reigwin, Richard Reigwin, Richard@epa.gov; Keigwin, Richard Keigwin, Richard@epa.gov; Keigwin, Richard@epa.gov; Keigwin,

Subject: RE: Request for review - Draft Perchlorate Rule Proposal

Wynne-

We only have comments on the preamble. Would it make sense to add your relevant comments to this working draft redline?

Nancy B. Beck, Dh. D. DART

Nancy B. Beck, Ph.D., DABT
Principal Deputy Assistant Administrator, OCSPP

P: 202-564-1273 beck.nancy@epa.gov

From: Beck, Nancy

Sent: Friday, February 15, 2019 7:54 AM **To:** Miller, Wynne wynne@epa.gov>

Cc: Bertrand, Charlotte Bertrand.Charlotte@epa.gov; Keigwin, Richard Keigwin, Richard Keigwin, Richard Keigwin, Richard@epa.gov; Keigwin, Richard@epa.gov; Keigwin, Richard@epa.gov; Keigwin, Richard@epa.gov; Keigwin, Richard@epa.gov; Keigwin, Richard@epa.gov; Keiler, Kaitlin

<keller.kaitlin@epa.gov>

Subject: Re: Request for review - Draft Perchlorate Rule Proposal

We should combine with IO comments and only send over one set of OCSPP comments.

I have one question about consistency with the air program. They looked at a population level and this is at an individual level. Does OPP staff see this as same? Thanks.

Nancy B. Beck, Ph.D., DABT
Principal Deputy Assistant Administrator
Office of Chemical Safety and Pollution Prevention
P: 202-564-1273
beck.nancy@epa.gov

On Feb 14, 2019, at 9:51 PM, Miller, Wynne < Miller, Wynne@epa.gov> wrote:

Hi Nancy and Charlotte,

Anna Lowit and staff in the Antimicrobials Division reviewed OGWDW's proposed perchlorate rule and support documents. Recall that OGWDW sent these items to OPP as an FYI and we have not been on the formal workgroup. While OGWDW indicated that they were not requesting comment on the support documents, we still have a few suggestions listed below. In addition, we have suggestions for the proposed rule. If you are okay with these ... we'd like to send to OGWDW by 4 pm on Friday, Feb 15 (their deadline is COB). You indicated that you may have comments as well ... so if you'd like us to tell OGWDW that you might be sending additional comments ... we can do that – please let me know.

Best regards, Wynne

Support documents included the following attachments:

Attachment 1: This is the main document (82 pages) on the derivation of the MCLG.

Attachment 2: This is the Cost/Benefit analysis (98 pages)

Attachment 3: Perchlorate Occurrence & Monitoring Report (52 pages) Attachment 4: Costs for treating perchlorate contaminated waters

Attachment 5: Best available treatment technologies

Attachment 6: "Proposed Approaches to Inform the Derivation of a MCLG for Perchlorate in DW"

OPP had no comments on Attachments 2, 4, 5, and 6.

On attachment 1 (Technical Support Document for Derivation of the

Deliberative Process / Ex. 5

Attachment 3 (Occurrence and Monitoring Document) – Minor typos...

0

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

3.
4.

From: Christ, Lisa

Sent: Monday, February 04, 2019 12:05 PM

To: Kyprianou, Rose < Kyprianou.Rose@epa.gov; Miller, Wynne

< Miller. Wynne@epa.gov>; Raffaele, Kathleen < raffaele.kathleen@epa.gov>

Cc: Hernandez-Quinones, Samuel < Hernandez.Samuel@epa.gov > **Subject:** FW: Request for review - Draft Perchlorate Rule Proposal

Just making sure you received the draft.

Thanks-Lisa

From: Hernandez-Quinones, Samuel

Sent: Monday, February 04, 2019 10:32 AM

To: Johnson, Ann <<u>Johnson.Ann@epa.gov</u>>; Dockins, Chris <<u>Dockins.Chris@epa.gov</u>>; Shao, Nicole <<u>Shao.Nicole@epa.gov</u>>; Miller, Gregory <<u>Miller.Gregory@epa.gov</u>>; Flowers, Lynn <<u>Flowers.Lynn@epa.gov</u>>; Foster, Stiven <<u>Foster.Stiven@epa.gov</u>>; Cc: Christ, Lisa <<u>Christ.Lisa@epa.gov</u>>; Burneson, Eric <<u>Burneson.Eric@epa.gov</u>>; Flaharty, Stephanie <<u>Flaharty.Stephanie@epa.gov</u>>; Messier, Dawn

<a href="mailto:khera

Preliminary draft for internal EPA review

Hi,

Attached for your review is the Draft Perchlorate Rule Proposal (Preamble and Regulatory Text). As discussed previously we are asking that you provide your questions and or comments on the draft document to me by COB 2/15/2019. In order to keep with the consent decree deadline, we need to complete this step of the process within two weeks, if there are any issues that require technical discussions please let me know so that we can arrange any necessary working meeting.

I will follow-up with another email later today that contains the draft version of the technical support documents that were used as the basis for the Perchlorate proposal. Since those are very lengthy documents we are not requesting that you submit input and/or comments on those within the two- week time frame.

Please let me know if you have any questions.

Thanks Sam

Samuel Hernández Quiñones, P.E. Environmental Engineer Office of Water Environmental Protection Agency 1200 Pennsylvania Ave. NW Washington, DC 20460 202-564-1735

"USEPA Protecting Human Health and the Environment"

From: Hernandez-Quinones, Samuel **Sent:** Monday, February 04, 2019 3:55 PM

To: Johnson, Ann < Johnson. Ann@epa.gov>; Dockins, Chris < Dockins. Chris@epa.gov>; Shao, Nicole < Shao. Nicole@epa.gov>; Miller, Gregory < Miller. Gregory@epa.gov>; Flowers, Lynn < Flowers. Lynn@epa.gov>; Foster, Stiven < Foster. Stiven@epa.gov>; Kyprianou, Rose < Kyprianou. Rose@epa.gov>; Miller, Wynne < Miller. Wynne@epa.gov>;

Raffaele, Kathleen < raffaele.kathleen@epa.gov>

Cc: Christ, Lisa < Christ.Lisa@epa.gov>; Khera, Rajiv Khera, Rajiv Khera.Rajiv@epa.gov>
Subject: Technical Support Documents - Draft Perchlorate Rule Proposal

Preliminary draft for internal EPA review

Hi,

Attached are copies of the draft technical support documents that were used as basis for the Perchlorate Rule Proposal. As mentioned earlier today we are not requesting comments on these documents within the two-week review time frame.

Economic Analysis
MCLG Derivation Document
Treatment Technologies & Costs Document
Occurrence & Monitoring Report
MCLG Approaches Document
Best Available Technologies Document

Thanks Sam

Samuel Hernández Quiñones, P.E. Environmental Engineer Office of Water Environmental Protection Agency 1200 Pennsylvania Ave. NW Washington, DC 20460 202-564-1735

"USEPA Protecting Human Health and the Environment"

From: Hernandez-Quinones, Samuel

Sent: Monday, February 04, 2019 10:32 AM

To: Cc: Christ, Lisa <christ.lisa@epa.gov>; Burneson, Eric <burneson.eric@epa.gov>;

Flaharty, Stephanie <Flaharty.Stephanie@epa.gov>; Messier, Dawn

<<u>Messier.Dawn@epa.gov</u>>; Wehling, Carrie <<u>Wehling.Carrie@epa.gov</u>>; Huff, Lisa

<a href="mailto: Khera, Rajiv@epa.gov Subject: Request for review - Draft Perchlorate Rule Proposal

Preliminary draft for internal EPA review

Hi,

Attached for your review is the Draft Perchlorate Rule Proposal (Preamble and Regulatory Text). As discussed previously we are asking that you provide your questions and or comments on the draft document to me by COB 2/15/2019. In order to keep with the consent decree deadline, we need to complete this step of the process within two weeks, if there are any issues that require technical discussions please let me know so that we can arrange any necessary working meeting.

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Please let me know if you have any questions.

Thanks Sam

Samuel Hernández Quiñones, P.E. Environmental Engineer Office of Water Environmental Protection Agency 1200 Pennsylvania Ave. NW Washington, DC 20460 202-564-1735

"USEPA Protecting Human Health and the Environment"

Message

From: Miller, Wynne [Miller.Wynne@epa.gov]

Sent: 2/6/2019 2:03:40 PM

To: Bertrand, Charlotte [Bertrand.Charlotte@epa.gov]; Beck, Nancy [Beck.Nancy@epa.gov]; Morris, Jeff

[Morris.Jeff@epa.gov]

CC: Dunn, Alexandra [dunn.alexandra@epa.gov]; Keigwin, Richard [Keigwin.Richard@epa.gov]; Messina, Edward

[Messina.Edward@epa.gov]; Baptist, Erik [Baptist.Erik@epa.gov]; Dinkins, Darlene [Dinkins.Darlene@epa.gov];

Keller, Kaitlin [keller.kaitlin@epa.gov]

Subject: FW: Request for review - Draft Perchlorate Rule Proposal Attachments: Version-Control Perchlorate Rule FRN 2-4-19.docx

Hi All.

Per the request at today's OCSPP IO meeting ... attached is the email with the perchlorate proposed rule the Lisa Christ in OW sent to Rose Kyprianou and I. Lisa gave this to us informally since we are not on the formal workgroup. My understanding in talking to Rose today is that we were give this as an FYI but we will still review to see if we see anything major since OPP registers drinking water disinfectants (and perchlorate can be formed as a byproduct under certain storage conditions). We will also look for the uncertainty language you mentioned today regarding the derivation of the health endpoint. As I noted at today's meeting, they are under a consent decree. I will also forward the support documents next (which were in a separate email). Regards,

Wynne

From: Christ, Lisa

Sent: Monday, February 04, 2019 12:05 PM

To: Kyprianou, Rose <Kyprianou.Rose@epa.gov>; Miller, Wynne <Miller.Wynne@epa.gov>; Raffaele, Kathleen

<raffaele.kathleen@epa.gov>

Cc: Hernandez-Quinones, Samuel < Hernandez.Samuel@epa.gov> **Subject:** FW: Request for review - Draft Perchlorate Rule Proposal

Just making sure you received the draft.

Thanks-Lisa

From: Hernandez-Quinones, Samuel

Sent: Monday, February 04, 2019 10:32 AM

To: Johnson, Ann < Johnson. Ann@epa.gov>; Dockins, Chris < Dockins. Chris@epa.gov>; Shao, Nicole

<Shao.Nicole@epa.gov>; Miller, Gregory <Miller, Gregory@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Foster,

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Huff, Lisa < Huff. Lisa@epa.gov >; Khera, Rajiv < Khera. Rajiv@epa.gov >

Subject: Request for review - Draft Perchlorate Rule Proposal

Preliminary draft for internal EPA review

Hi,

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I will follow-up with another email later today that contains the draft version of the technical support documents that were used as the basis for the Perchlorate proposal. Since those are very lengthy documents we are not requesting that you submit input and/or comments on those within the two- week time frame.

Please let me know if you have any questions.

Thanks Sam

Samuel Hernández Quiñones, P.E. Environmental Engineer Office of Water Environmental Protection Agency 1200 Pennsylvania Ave. NW Washington, DC 20460 202-564-1735

"USEPA Protecting Human Health and the Environment"

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To: Johnson, Ann <Johnson.Ann@epa.gov>; Dockins, Chris <Dockins.Chris@epa.gov>; Shao, Nicole

<Shao.Nicole@epa.gov>; Miller, Gregory <Miller.Gregory@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Foster,

Stiven <Foster.Stiven@epa.gov>; Kyprianou, Rose <Kyprianou.Rose@epa.gov>; Miller, Wynne

<Miller.Wynne@epa.gov>; Raffaele, Kathleen <raffaele.kathleen@epa.gov> Cc: Christ, Lisa <Christ.Lisa@epa.gov>; Khera, Rajiv <Khera.Rajiv@epa.gov> Subject: Technical Support Documents - Draft Perchlorate Rule Proposal

Preliminary draft for internal EPA review

Hi,

Attached are copies of the draft technical support documents that were used as basis for the Perchlorate Rule Proposal. As mentioned earlier today we are not requesting comments on these documents within the two-week review time frame.

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MCLG Derivation Document
Treatment Technologies & Costs Document
Occurrence & Monitoring Report
MCLG Approaches Document
Best Available Technologies Document

Thanks Sam

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"USEPA Protecting Human Health and the Environment"

Message

From: Beck, Nancy [Beck.Nancy@epa.gov]

Sent: 2/15/2019 2:45:57 PM

To: Miller, Wynne [Miller.Wynne@epa.gov]

CC: Bertrand, Charlotte [Bertrand.Charlotte@epa.gov]; Keigwin, Richard [Keigwin.Richard@epa.gov]; Messina, Edward

[Messina.Edward@epa.gov]; Lowit, Anna [Lowit.Anna@epa.gov]; Keller, Kaitlin [keller.kaitlin@epa.gov]

Subject: RE: Request for review - Draft Perchlorate Rule Proposal Attachments: Version-Control Perchlorate Rule FRN 2-4-19.2.docx

Wynne-

We only have comments on the preamble. Would it make sense to add your relevant comments to this working draft redline?

Nancy B. Beck, Ph.D., DABT

Principal Deputy Assistant Administrator, OCSPP

P: 202-564-1273 beck.nancy@epa.gov

From: Beck, Nancy

Sent: Friday, February 15, 2019 7:54 AM **To:** Miller, Wynne < Miller. Wynne@epa.gov>

Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Messina, Edward

<Messina.Edward@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>

Subject: Re: Request for review - Draft Perchlorate Rule Proposal

We should combine with IO comments and only send over one set of OCSPP comments.

I have one question about consistency with the air program. They looked at a population level and this is at an individual level. Does OPP staff see this as same?

Thanks.

Nancy B. Beck, Ph.D., DABT
Principal Deputy Assistant Administrator
Office of Chemical Safety and Pollution Prevention
P: 202-564-1273
beck.nancy@epa.gov

On Feb 14, 2019, at 9:51 PM, Miller, Wynne < Miller. Wynne@epa.gov> wrote:

Hi Nancy and Charlotte,

Anna Lowit and staff in the Antimicrobials Division reviewed OGWDW's proposed perchlorate rule and support documents. Recall that OGWDW sent these items to OPP as an FYI and we have not been on the formal workgroup. While OGWDW indicated that they were not requesting comment on the support documents, we still have a few suggestions listed below. In addition, we have suggestions for the proposed rule. If you are okay with these ... we'd like to send to OGWDW by 4 pm on Friday, Feb 15 (their deadline is COB). You indicated that you may have comments as well ... so if you'd like us to tell OGWDW that you might be sending additional comments ... we can do that – please let me know.

Support documents included the following attachments:

Attachment 1: This is the main document (82 pages) on the derivation of the MCLG.

Attachment 2: This is the Cost/Benefit analysis (98 pages)

Attachment 3: Perchlorate Occurrence & Monitoring Report (52 pages)

Attachment 4: Costs for treating perchlorate contaminated waters

Attachment 5: Best available treatment technologies

Attachment 6: "Proposed Approaches to Inform the Derivation of a MCLG for Perchlorate in DW"

- OPP had no comments on Attachments 2, 4, 5, and 6.
- On attachment 1 (Technical Support Document for Derivation of the MCLG), we had the following comments:

Deliberative Process / Ex. 5

Attachment 3 (Occurrence and Monitoring Document) – Minor typos...

Deliberative Process / Ex. 5

OPP comments on the proposed perchlorate regulation:

Deliberative Process / Ex. 5

4.

1.

2

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Sent: Monday, February 04, 2019 12:05 PM

To: Kyprianou, Rose < Kyprianou.Rose@epa.gov>; Miller, Wynne < Miller.Wynne@epa.gov>; Raffaele,

Kathleen < raffaele.kathleen@epa.gov>

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Cc: Christ, Lisa < Christ.Lisa@epa.gov>; Burneson, Eric < Burneson, Eric@epa.gov>; Flaharty, Stephanie

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Preliminary draft for internal EPA review

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Please let me know if you have any questions.

Thanks Sam

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"USEPA Protecting Human Health and the Environment"

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Thanks Sam

Samuel Hernández Quiñones, P.E. **Environmental Engineer** Office of Water **Environmental Protection Agency** 1200 Pennsylvania Ave. NW Washington, DC 20460 202-564-1735

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Please let me know if you have any questions.

Thanks Sam

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"USEPA Protecting Human Health and the Environment"

Message

From: Beck, Nancy [Beck.Nancy@epa.gov]

Sent: 2/19/2019 1:11:22 PM

To: Miller, Wynne [Miller.Wynne@epa.gov]

CC: Bertrand, Charlotte [Bertrand.Charlotte@epa.gov]; Keigwin, Richard [Keigwin.Richard@epa.gov]; Messina, Edward

[Messina.Edward@epa.gov]; Lowit, Anna [Lowit.Anna@epa.gov]; Keller, Kaitlin [keller.kaitlin@epa.gov]

Subject: RE: Request for review - Draft Perchlorate Rule Proposal
Attachments: Version-Control Perchlorate Rule FRN 2-4-19.3 OCSPP.docx

Wynne,

The attached version now has our IO comments in it. Can you forward to OW along with the comments below that relate to the other documents (I think all the preamble comments are covered now).

Thanks. Nancy

Nancy B. Beck, Ph.D., DABT

Principal Deputy Assistant Administrator, OCSPP

P: 202-564-1273 beck.nancy@epa.gov

From: Miller, Wynne

Sent: Friday, February 15, 2019 1:36 PM **To:** Beck, Nancy <Beck.Nancy@epa.gov>

Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Messina, Edward

<Messina.Edward@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>

Subject: RE: Request for review - Draft Perchlorate Rule Proposal

Hi Nancy,

Anna is compressed today and the comments I embedded are from her. Based on a brief conversation she and I had earlier in the week ... I'm pretty sure she'd agree with the IO comments.

Wynne

From: Beck, Nancy

Sent: Friday, February 15, 2019 1:16 PM **To:** Miller, Wynne Wynne@epa.gov>

Cc: Bertrand, Charlotte < Bertrand. Charlotte@epa.gov>; Keigwin, Richard < Keigwin, Richard@epa.gov>; Messina, Edward

<Messina.Edward@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>

Subject: RE: Request for review - Draft Perchlorate Rule Proposal

Thanks. I presume if OPP had any concerns with the comments you would let us know.

Nancy B. Beck, Ph.D., DABT

Principal Deputy Assistant Administrator, OCSPP

P: 202-564-1273 beck.nancy@epa.gov

From: Miller, Wynne

Sent: Friday, February 15, 2019 1:13 PM

To: Beck, Nancy < Beck. Nancy@epa.gov>

Cc: Bertrand, Charlotte < Bertrand.Charlotte@epa.gov >; Keigwin, Richard < Keigwin, Richard@epa.gov >; Messina, Edward < Messina.Edward@epa.gov >; Lowit, Anna < Lowit, Anna@epa.gov >; Keller, Kaitlin < keller, Kaitlin@epa.gov >

Subject: RE: Request for review - Draft Perchlorate Rule Proposal

Here you go Nancy. Thx much, Wynne

From: Beck, Nancy

Sent: Friday, February 15, 2019 11:58 AM **To:** Miller, Wynne Wynne@epa.gov

Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Messina, Edward

<Messina.Edward@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>

Subject: Re: Request for review - Draft Perchlorate Rule Proposal

Yes however I I think we still need to add some more IO comments so if you can send it back to us, we can incorporate those when you are done.

Thanks!

Nancy B. Beck, Ph.D., DABT Principal Deputy Assistant Administrator Office of Chemical Safety and Pollution Prevention P: 202-564-1273

beck.nancy@epa.gov

On Feb 15, 2019, at 11:55 AM, Miller, Wynne < Miller, Wynne@epa.gov > wrote:

Thanks Nancy!! We can embed OPP's comments (#1 and 2 highlighted below) into your draft redline document. The comments on the support documents are very minor so I think we should just send those via email. Once we are done embedding our comments, do you want us to transmit everything to OGWDW?

Regards, Wynne

From: Beck, Nancy

Sent: Friday, February 15, 2019 9:46 AM
To: Miller, Wynne < Miller, Wynne@epa.gov>

Cc: Bertrand, Charlotte <<u>Bertrand.Charlotte@epa.gov</u>>; Keigwin, Richard <<u>Keigwin.Richard@epa.gov</u>>; Messina, Edward <<u>Messina.Edward@epa.gov</u>>; Lowit, Anna <<u>Lowit.Anna@epa.gov</u>>; Keller, Kaitlin </keller.kaitlin@epa.gov>

Subject: RE: Request for review - Draft Perchlorate Rule Proposal

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Ex. 5 Deliberative Process (DP)

• Attachment 3 (Occurrence and Monitoring Document) – Minor typos...

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OPP comments on the proposed perchlorate regulation:

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<hackliness="Lisa@epa.gov"><huff.Lisa@epa.gov</h>
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Environmental Engineer
Office of Water
Environmental Protection Agency
1200 Pennsylvania Ave. NW
Washington, DC 20460
202-564-1735

"USEPA Protecting Human Health and the Environment"

Message

From: Bertrand, Charlotte [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP

(FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=F044D768E05842E1B75321FF6010E1B8-BERTRAND, CHARLOTTE]

Sent: 2/15/2019 10:13:40 PM

To: Beck, Nancy [Beck.Nancy@epa.gov]

Subject: RE: CB-USE THIS VERSION FW: Request for review - Draft Perchlorate Rule Proposal

Attachments: Version-Control Perchlorate Rule FRN 2-4-19.3_OCSPP.docx

Added two comments. Renamed with ".3"

From: Beck, Nancy

Sent: Friday, February 15, 2019 1:14 PM

To: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>

Subject: CB-USE THIS VERSION FW: Request for review - Draft Perchlorate Rule Proposal

Nancy B. Beck, Ph.D., DABT

Principal Deputy Assistant Administrator, OCSPP

P: 202-564-1273 beck.nancy@epa.gov

From: Miller, Wynne

Sent: Friday, February 15, 2019 1:13 PM **To:** Beck, Nancy < <u>Beck. Nancy@epa.gov</u>>

Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Messina, Edward

<<u>Messina.Edward@epa.gov</u>>; Lowit, Anna <<u>Lowit.Anna@epa.gov</u>>; Keller, Kaitlin <<u>keller.kaitlin@epa.gov</u>>

Subject: RE: Request for review - Draft Perchlorate Rule Proposal

Here you go Nancy. Thx much, Wynne

•

From: Beck, Nancy

Sent: Friday, February 15, 2019 11:58 AM **To:** Miller, Wynne Wynne@epa.gov>

Cc: Bertrand, Charlotte < Bertrand. Charlotte@epa.gov>; Keigwin, Richard < Keigwin. Richard@epa.gov>; Messina, Edward

< Messina. Edward@epa.gov>; Lowit, Anna < Lowit. Anna@epa.gov>; Keller, Kaitlin < keller. kaitlin@epa.gov>

Subject: Re: Request for review - Draft Perchlorate Rule Proposal

Yes however I I think we still need to add some more IO comments so if you can send it back to us, we can incorporate those when you are done.

Thanks!

Nancy B. Beck, Ph.D., DABT

Principal Deputy Assistant Administrator

Office of Chemical Safety and Pollution Prevention

P: 202-564-1273

beck.nancy@epa.gov

On Feb 15, 2019, at 11:55 AM, Miller, Wynne < Miller. Wynne@epa.gov> wrote:

Thanks Nancy!! We can embed OPP's comments (#1 and 2 highlighted below) into your draft redline document. The comments on the support documents are very minor so I think we should just send those via email. Once we are done embedding our comments, do you want us to transmit everything to OGWDW?

Regards, Wynne

From: Beck, Nancy

Sent: Friday, February 15, 2019 9:46 AM **To:** Miller, Wynne wynne@epa.gov>

Cc: Bertrand, Charlotte Bertrand.Charlotte@epa.gov; Keigwin, Richard Keigwin, Richard@epa.gov; Keller, Kaitlin Lowit, Anna Lowit.Anna@epa.gov)

Subject: RE: Request for review - Draft Perchlorate Rule Proposal

Wynne-

We only have comments on the preamble. Would it make sense to add your relevant comments to this working draft redline?

Nancy B. Beck, Ph.D., DABT
Principal Deputy Assistant Administrator, OCSPP
P: 202-564-1273

beck.nancy@epa.gov

From: Beck, Nancy

Sent: Friday, February 15, 2019 7:54 AM **To:** Miller, Wynne Wynne@epa.gov

Cc: Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>; Keigwin, Richard <Keigwin.Richard@epa.gov>; Messina, Edward <Messina.Edward@epa.gov>; Lowit, Anna <Lowit.Anna@epa.gov>; Keller, Kaitlin <keller.kaitlin@epa.gov>

Subject: Re: Request for review - Draft Perchlorate Rule Proposal

We should combine with IO comments and only send over one set of OCSPP comments.

I have one question about consistency with the air program. They looked at a population level and this is at an individual level. Does OPP staff see this as same? Thanks.

Nancy B. Beck, Ph.D., DABT Principal Deputy Assistant Administrator Office of Chemical Safety and Pollution Prevention P: 202-564-1273

beck.nancy@epa.gov

On Feb 14, 2019, at 9:51 PM, Miller, Wynne < Miller. Wynne@epa.gov> wrote:

Hi Nancy and Charlotte,

Anna Lowit and staff in the Antimicrobials Division reviewed OGWDW's proposed perchlorate rule and support documents. Recall that OGWDW sent these items to OPP as an FYI and we have not been on the formal workgroup. While OGWDW indicated that they were not requesting comment on the support documents, we still have a few suggestions listed below. In addition, we have suggestions for the proposed rule. If you are okay with these ... we'd like to send to OGWDW by 4 pm on Friday, Feb 15 (their deadline is COB). You indicated that you may have comments as well ... so if you'd like us to tell OGWDW that you might be sending additional comments ... we can do that – please let me know.

Best regards, Wynne

Support documents included the following attachments:

Attachment 1: This is the main document (82 pages) on the derivation of the MCLG.

Attachment 2: This is the Cost/Benefit analysis (98 pages)

Attachment 3: Perchlorate Occurrence & Monitoring Report (52 pages)

Attachment 4: Costs for treating perchlorate contaminated waters

Attachment 5: Best available treatment technologies

Attachment 6: "Proposed Approaches to Inform the Derivation of a MCLG for Perchlorate in DW"

- OPP had no comments on Attachments 2, 4, 5, and 6.
- On attachment 1 (Technical Support Document for Derivation of the MCLG), we had the following comments:

Ex. 5 Deliberative Process (DP)

Attachment 3 (Occurrence and Monitoring Document) – Minor typos...

Ex. 5 Deliberative Process (DP)



Ex. 5 Deliberative Process (DP)

From: Christ, Lisa

Sent: Monday, February 04, 2019 12:05 PM

To: Kyprianou, Rose < Kyprianou.Rose@epa.gov; Miller, Wynne

< Miller. Wynne@epa.gov>; Raffaele, Kathleen < raffaele.kathleen@epa.gov>

Cc: Hernandez-Quinones, Samuel < <u>Hernandez.Samuel@epa.gov</u>> **Subject:** FW: Request for review - Draft Perchlorate Rule Proposal

Just making sure you received the draft.

Thanks-Lisa

From: Hernandez-Quinones, Samuel

Sent: Monday, February 04, 2019 10:32 AM

To: Johnson, Ann <<u>Johnson.Ann@epa.gov</u>>; Dockins, Chris <<u>Dockins.Chris@epa.gov</u>>; Shao, Nicole <<u>Shao.Nicole@epa.gov</u>>; Miller, Gregory <<u>Miller.Gregory@epa.gov</u>>; Flowers, Lynn <<u>Flowers.Lynn@epa.gov</u>>; Foster, Stiven <<u>Foster.Stiven@epa.gov</u>> Cc: Christ, Lisa <<u>Christ.Lisa@epa.gov</u>>; Burneson, Eric <<u>Burneson.Eric@epa.gov</u>>; Flobarty, Stophania@epa.gov>; Mossier, Dawn

Flaharty, Stephanie < Flaharty. Stephanie@epa.gov >; Messier, Dawn

< Messier. Dawn@epa.gov>; Wehling, Carrie < Wehling. Carrie@epa.gov>; Huff, Lisa

<<u>Huff.Lisa@epa.gov</u>>; Khera, Rajiv <<u>Khera.Rajiv@epa.gov</u>>

Subject: Request for review - Draft Perchlorate Rule Proposal

Preliminary draft for internal EPA review

Hi,

Attached for your review is the Draft Perchlorate Rule Proposal (Preamble and Regulatory Text). As discussed previously we are asking that you provide your questions and or comments on the draft document to me by COB 2/15/2019. In order to keep with the consent decree deadline, we need to complete this step of the process within two weeks, if there are any issues that require technical

discussions please let me know so that we can arrange any necessary working meeting.

I will follow-up with another email later today that contains the draft version of the technical support documents that were used as the basis for the Perchlorate proposal. Since those are very lengthy documents we are not requesting that you submit input and/or comments on those within the two- week time frame.

Please let me know if you have any questions.

Thanks Sam

Samuel Hernández Quiñones, P.E. Environmental Engineer Office of Water Environmental Protection Agency 1200 Pennsylvania Ave. NW Washington, DC 20460 202-564-1735

"USEPA Protecting Human Health and the Environment"

From: Hernandez-Quinones, Samuel **Sent:** Monday, February 04, 2019 3:55 PM

To: Johnson, Ann < Johnson. Ann@epa.gov>; Dockins, Chris < Dockins. Chris@epa.gov>; Shao, Nicole < Shao. Nicole@epa.gov>; Miller, Gregory < Miller. Gregory@epa.gov>; Flowers, Lynn < Flowers. Lynn@epa.gov>; Foster, Stiven < Foster. Stiven@epa.gov>; Kyprianou, Rose < Kyprianou. Rose@epa.gov>; Miller, Wynne < Miller. Wynne@epa.gov>; Raffaele, Kathleen@epa.gov>

Cc: Christ, Lisa < Christ.Lisa@epa.gov>; Khera, Rajiv < Khera.Rajiv@epa.gov> **Subject:** Technical Support Documents - Draft Perchlorate Rule Proposal

Preliminary draft for internal EPA review

Hi,

Attached are copies of the draft technical support documents that were used as basis for the Perchlorate Rule Proposal. As mentioned earlier today we are not requesting comments on these documents within the two-week review time frame.

Economic Analysis
MCLG Derivation Document
Treatment Technologies & Costs Document
Occurrence & Monitoring Report
MCLG Approaches Document
Best Available Technologies Document

Thanks Sam

Samuel Hernández Quiñones, P.E. Environmental Engineer Office of Water Environmental Protection Agency 1200 Pennsylvania Ave. NW Washington, DC 20460 202-564-1735

"USEPA Protecting Human Health and the Environment"

From: Hernandez-Quinones, Samuel

Sent: Monday, February 04, 2019 10:32 AM

To: Cc: Christ, Lisa <christ.lisa@epa.gov>; Burneson, Eric <burneson.eric@epa.gov>;

Flaharty, Stephanie <Flaharty.Stephanie@epa.gov>; Messier, Dawn

<Messier.Dawn@epa.gov>; Wehling, Carrie < Wehling.Carrie@epa.gov>; Huff, Lisa

< Huff.Lisa@epa.gov>; Khera, Rajiv < Khera.Rajiv@epa.gov>
Subject: Request for review - Draft Perchlorate Rule Proposal

Preliminary draft for internal EPA review

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Thanks Sam

Samuel Hernández Quiñones, P.E. Environmental Engineer Office of Water Environmental Protection Agency 1200 Pennsylvania Ave. NW Washington, DC 20460 202-564-1735

"USEPA Protecting Human Health and the Environment"

NPDWR for Perchlorate Proposal: Summary of Public Comments

NPDWR for Perchlorate Proposal: Summary of Public Comments

EPA received a total of 1,495 comments in response to its perchlorate rulemaking proposal.

Mass Mailing Campaign:

 $\frac{1}{2}$,386 comments were received under a mass mailing campaign. These commenters oppose the proposed Maximum Contaminant Level of 56 μ g/L stating that as proposed the MCL is too high to adequately protect the health of communities throughout the country.

Individuals:

Eighty-one comment letters with varied levels of complexity were submitted by individuals. These letters cover a wide array of technical and policy issues regarding the perchlorate proposal (88 pages).

———6 individuale support the <u>56 µg/L</u> propos<u>al</u>ed rule a 56 µg/ட

- 1 individual supports the regulatory determination withdrawal alternative
- ----1 individual supports the 90 μg/L alternative
 - 23_6-individuals-support the 18 μg/L alternative.

23 individuals support perchiorate-regulation at a level $|\underline{\text{ower strictes-than 18}}\,\underline{\text{ug/L}}|$ piblo 1 individual supports the withdrawal of the regulatory determination withdrawal alternative

Extensive and Substantive Comment Letters from Organizations:

109 Comment letters containing extensive and substantive technical and policy issues were submitted (657 pages).

The overall recommendation of these comment letters on the regulatory proposal breakdown as follows:

- One organization did not take a position regarding regulation of perchlorate.
 - Association of State Drinking Water Administrators
- None support the proposed 56 µg/L proposal.
- None support the 90 µg/L alternative.
- # support the 18 µg/L alternative.
 - <u>o Oregen</u>
 - o Virginia
- # support regulation at a level lower than 18 µg/l.
 - Association of California Water Agencies

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Commented [BE1]: There are not 109 letters described below. I count 28. Is this a breakdown or some key highlights of selected letters? If its key highlights then we need a breakdown of the 109 similar to the breakdown for the individuals above

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NPDWR for Perchiorate Proposal: Summary of Public Comments

Metropolitan Water District of Southern California

<u>California</u><u>Massachusetts</u>

O New Jersey	
<u>o New York</u>	
 The Salt River Pima-Maricopa Indian Nation 	
O The Tohono O'odham Nation	
o Alaska Community Action on Toxics	
 Environmental Defense fund 	
<u> 6 Environmental Protection Network</u>	
o Environmental Working Group	
 Natural Resources Defense Council 	
o American Academy of Pediatrics	
— # 1. Organizations that support withdrawal of the determination to regulate perchlorate:	Formatted: Highlight
*U.S. Conference of Mayors & the National League of Cities (joint letter)	Formatted: List Paragraph, Bulleted + Level: 1 + Aligned at: 0" + Indent at: 0.25"
	* Formatted: Font: Not Bold
——One letter was jointly submitted by the U.S. Conference of Mayors & the National League of Cities. These organizations urge EPA to withdraw the Regulatory Determination for Porchiorate.	Formatted: List Paragraph, Indent: Left: 0.75", Bulleto + Level: 1 + Aligned at: 0" + Indent at: 0.25"
State-Apency	Formatted: List Paragraph
*****South Dakota	Formatted: List Paragraph, Bulleted + Level: 1 +
South Dakota Department of Environment and Natural Resources Recommends that EPA	Aligned at: 0" + Indent at: 0.25"
withdraw the Regulatory Determination based on a no meaningful opportunity for risk reduction as required by SDWA	Formatted: Font: Not Bold
Regulated Stakeholders/Community-Water-Systems	* Formatted: List Paragraph
	- / - / V
Systems	Formatted: Indent: Left: 0.5", No bullets or
*American Water	Formatted: List Paragraph, Indent: Left: 0"
American Water	Formatted: List Paragraph
El Paso Water	Formatted: Indent: Left: 0", First line: 0.5"
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	* Formatted: Indent: Left: 0", First line: 0.5"
Betermination	Formatted: Indent: Left: 0", First line: 0.5", Bulleted - Level: 1 + Aligned at: 0.25" + Indent at: 0.5"
Trade/Industry Associations	Formatted: Indent: First line: 0.5", No bullets or numbering
Seven comment letters were submitted by Trade/Industry Associations	Formatted: Indent: First line: 0.5"
*American Chemistry Council	Formatted: Font: Bold
,	Formatted: Indent: Left: 0.5"
*American Water Works Association	Formatted: Indent: First line: 0.5", No bullets or numbering
*Association of Metropolitan Water Agencies	

NPDWR for Perchlorate Proposal: Summary of Public Comments

- *----National Rural Water Association
- *----Perchlorate Study Group
- *----The Chlorine Institute
- California Farm Bureau Federation

American Chamistry Council, American Water, Works Association, Association of Metropolitan Water Agencies, California Form Bureau Federation, The Chlorine Institute, Perchlorate Study Group, National Rural Water Association—Recommend that EPA withdraw the Regulatory Determination-based on not meeting the statutory requirements of SDWA.

2. Organizations that support stricter (than proposed 56 ppb) regulation of perchiorate;

Regulated Stakeholders/Community-Water Systems

Two comment letters were submitted by Regulated Stakeholders/Community Water Systems

- Association of California Water Agencies
- Metropolitan Water District of Southern California
- Association of California Water Agencies & Metropolitan Water District of Southern
 California Urge EPA to set an MCLG and MCL close to California's standard of 6 µg/L. The
 federal drinking water standard should be no higher than LE µg/L.

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State Agencies

Six-comment letters were submitted by State Agencies

- California
- Massachusetts
- New Jessey
- New York
- •---Oregon
- Wirginia
 - California Does not agree with EPA's proposal because it is not health-protective and
 also believe that the agency has taken approaches that are not fully justified, not
 appropriate, and that need to be reconsidered.
 - Massachusetts Does not support EPA's proposed options for perchiorate in drinking water. MassDEP urges EPA to revise its proposal to fully address perchiorate's toxicity and health protective uncertainty factors.
 - New Jersey Dees not agree with EPA's proposal and recommends additional
 assessments on the approach to develop Reference Doses as well as the adequacy of
 the utilized Lincertainty Factors and the IQ-benchmarks.

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NPDWR for Perchlorate Proposal: Summary of Public Comments

New York—Docs not agree with EffA's proposal and recommends additional technical assessments to better define the basis and policy choices for adverse neurodevelopmental effects on children.

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Oregon—Recommends EPA to adopt an MCL of 18-up/L rather than 56-up/L.

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-----Virginia --- Recommends 5PA to adopt an MGL of 18 µg/L-based on possible occurrence above such level due to hypochlorite degradation in the distribution system.

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Tribel Stakeholders

Two-comment letters were submitted by Tribes

— The Solt River Rime Marisope Indian Community & the Tohono O'odhan Matien— Submitted letters in disagreement with EPA's proposal, and urged the agency to establish an MCL at a level lower than 18 µg/L. Formatted: List Paragraph, Bulleted + Level: 1 + Aligned at: 0.75" + Indent at: 1"

Environmental Advocacy Groups

Five comment letters were submitted by Environmental Advocacy Groups (305 pages)

- Alaska Community Action on Toxics
- *---Environmental Defense Fund
- * --- Environmental Protection Network
- * Environmental Working Group
- * Natural Resources Defense Council

These groups strongly disagree with EPA's rulemaking proposal and the suggested regulatory alternatives. All groups suggest that EPA should set a standard for Perchiorate in drinking water no higher than 2-ug/L...-In-addition, those stakeholders disim that EPA is not following the statutory requirements of SDWA in that the agency follow to consider an adequate margin of safety while establishing a protective public health MCLG.

Public Health Profescional Organizations

American Academy of Pediatrics — Disagree with EPA's proposal and urges the egency to set the strongest possible WGLG for Perchlorate.

3. Organizations that are neutral

Association of State Drinking Water Administrators — The board has not taken a position on whether to regulate Perchierate.

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